



SCIENCE EDUCATION DOCTORAL STUDIES C.A.D.R.E. MODEL*



Ed.D. – Ph.D. in Teaching and Learning
 Seminar: Research Literature in Science Education IV
 Secondary Education 6404
 Reference Number 12874, Section G01
 2 credits x 4 semesters = 8 total semester hours
 Meets 2 hours per week for 15 weeks
 Teaching & Learning Center, Boeing Room
 Fall Semester 2010
Thursdays 5:30 – 7:30 p.m.

Prerequisite: Admission to CISTL CADRE-II Program in the College of Education and Graduate School at the University of Missouri-St. Louis and satisfactory completion of Science Education Seminar III.

Provides graduate student exposure to the seminar process. Faculty and students give oral presentations on current pedagogical issues and research. Summary, discussion, oral and written critical review of the selected topics will be expected.

Seminar Course Requirements

Requirements include reading assigned research papers, reviews and think pieces, and writing brief summaries of each. A written and oral paper on your research interests of six-eight written pages and presented in approximately 35 minutes. Students will be expected to keep a notebook (journal) of presentations, class discussions and findings.

Performance Assessment

Evaluation will be based on completion of assignments, compilation of journal reports, written and oral presentations, class participation, generating and initiating questions, interaction and cooperation with cadre peers, and attendance.

Criteria for Assessment in Percent:

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| Written Detailed Paper on Research Interests | 20% |
| Oral Presentation of Intended Research | 20% |
| Class Participation | |
| Oral Questions and Discussion | 15% |
| Written Questions | 15% |
| Journal Entries | |
| Review Presentation Summaries | 5% |
| Pertinence to Research Area | 5% |
| Reflections | 5% |
| Attendance | <u>15%</u> |
| | 100% |